

* * * * * STN , Columbus * * * * *

FILE 'HOME' ENTERED AT 10:55:24 ON 09 JUN 2005

=>

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:55:35 ON 09 JUN 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 8 JUN 2005 HIGHEST RN 851931-88-9

DICTIONARY FILE UPDATES: 8 JUN 2005 HIGHEST RN 851931-88-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s direct black 168/cn

L1 1 DIRECT BLACK 168/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 85631-88-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN 2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4-[[4-[(2-amino-4-
hydroxyphenyl)azo]phenyl]amino]-3-sulfophenyl]azo]-5-hydroxy-6-(phenylazo)-
, trisodium salt (9CI) (CA INDEX NAME)

OTHER NAMES:

CN C.I. 30410

CN C.I. Direct Black 168

CN Coriacide Black SB

CN **Direct Black 168**

CN Direct Black H 8F-SF-VP132

CN Direct Black HEF-SF

CN Duasyn Direct Black HEF-SF

DR 83046-38-2

MF C34 H27 N9 O11 S3 . 3 Na

SR European Union (EU)

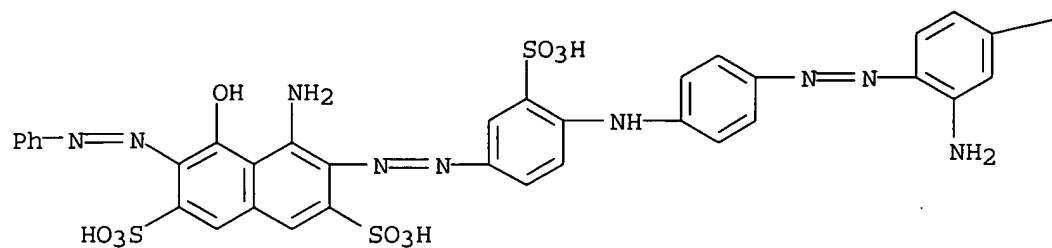
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, TOXCENTER, USPAT2, USPATFULL

Other Sources: EINECS**, NDSL**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (72066-88-7)

PAGE 1-A



● 3 Na

PAGE 1-B

—OH

131 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

131 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 1326-82-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN C.I. Sulphur Black 1 (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Asphalen Sulphur Black C
CN Asphalen Sulphur Black S
CN Atul Sulphur Black GXE
CN Atul Sulphur Black GXR
CN Atul Sulphur Black RP
CN C.I. 53185
CN C.I. Sulfur Black 1
CN Calcogene Black GX-CF
CN Diresul Black 4G-EV
CN Diresul Black EV 4G
CN Diresul Black P
CN Diresul Black PDK
CN Diresul Liquid Black 4G-EV
CN Diresul Liquid Black PDK
CN Eclipse Black BG
CN Eclipse Deep Black S
CN Fenoxyl Black RD
CN Immedial Black AT
CN Immedial Black GN
CN Immedial Black MF
CN Immedial Carbon B
CN Immedial Carbon BO
CN Immedial Carbon BR
CN Immedial Carbon CBO
CN Immedial Carbon CM
CN Immedial Carbon CMR
CN Immedial Carbon LP
CN Immedial Carbon MLB
CN Immedial Carbon NGD
CN Immedial Carbon RRC
CN Immedial MFS Grains
CN Immedial Printing Black B paste
CN Katigen Deep Black NND-CF
CN Katigen Deep Black RND-CF
CN Kayaku Sulphur Black 3BX
CN Kayaku Sulphur Black BBR 200
CN Kayaku Sulphur Black BBX
CN Kayaku Sulphur Black BDX
CN Kayaku Sulphur Black BNX
CN Kayaku Sulphur Black BX
CN Kayaku Sulphur Black BX 200
CN Kayaku Sulphur Black BX 200 Flakes
CN Kayaku Sulphur Black G
CN Kayaku Sulphur Black TB
CN Mitsui Sulphur Black B
CN Mitsui Sulphur Black BC
CN Mitsui Sulphur Black BF
CN Mitsui Sulphur Black BO
CN Mitsui Sulphur Black BS
CN Mitsui Sulphur Black G
CN **Sulfur Black 1**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DEF This substance is identified in the COLOUR INDEX by Colour Index
Constitution Number, C.I. 53185.

DR 54293-33-3, 56645-74-0, 155925-45-4

MF Unspecified

CI MAN

LC STN Files: AQUIRE, BIOBUSINESS, CA, CAPLUS, CASREACT, CHEMCATS,
CHEMLIST, CIN, CSCHEM, HSDB*, PROMT, RTECS*, TOXCENTER, USPAT2,
USPATFULL

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	117	(ink with set) and ((direct adj blue adj "86") or (direct adj blue adj "199") or (direct adj blue adj "307")) and ((reactive adj red adj "23") or (reactive adj red adj "31") or (acid adj red adj "80") or (acid adj red adj "82")) and ((direct adj yellow adj "86") or (direct adj yellow adj "107") or (direct adj yellow adj "132") or (direct adj yellow adj "173") or (acid adj yellow adj "99") or (acid adj yellow adj "114"))	US-PGPUB; USPAT	OR	ON	2005/06/09 08:55
L2	0	(ink with set) and ((direct adj blue adj "86") or (direct adj blue adj "199") or (direct adj blue adj "307")) and ((reactive adj red adj "23") or (reactive adj red adj "31") or (acid adj red adj "80") or (acid adj red adj "82")) and ((direct adj yellow adj "86") or (direct adj yellow adj "107") or (direct adj yellow adj "132") or (direct adj yellow adj "173") or (acid adj yellow adj "99") or (acid adj yellow adj "114"))	DERWENT	OR	ON	2005/06/09 08:54
L3	259	106/31.52.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 08:58
L4	200	106/31.5.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 09:51
L5	313	106/31.48.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 10:26
L6	293	106/31.47.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 10:26
L7	377	106/31.49.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 10:26
L8	251	106/31.51.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 10:27
L9	980	106/31.58.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 10:27
L10	623	106/31.6.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 10:27
L11	1571	347/100.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/09 10:27

L12	2	(ink with set) and ((copper or cu) with phthalocyanine) and (anthrapyridone or (azo adj naphthol)) and (azo adj aniline) and black	US-PGPUB; USPAT	OR	ON	2005/06/09 10:29
L13	5	("4420550" "5364461" "5851273" "5997622" "6001161").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/09 10:30
L14	7	("6183548").URPN.	USPAT	OR	ON	2005/06/09 10:57